

b.) Amendments to the Claims

1. (Currently Amended) A process for producing a purine nucleotide which comprises:

culturing in a medium a ~~recombinant~~ microorganism obtained by transforming a host cell having the ability to produce a precursor of the purine nucleotide selected from the group consisting of ~~XMP~~, guanosine, inosine and adenosine with DNA ~~which can express an enzyme capable of synthesizing the purine nucleotide from said precursor upon induction~~ which encodes inosine-guanosine kinase and comprises an expression-inducible promoter, to accumulate said precursor of the purine nucleotide in the culture medium;

inducing the expression of the enzyme capable of synthesizing the purine nucleotide from said precursor by change of a condition of the culture medium so that the promoter can function to form the purine nucleotide from the accumulated precursor in said culture medium; and

recovering ~~the formed~~ said purine nucleotide therefrom.

2. (Cancelled)

3. (Currently Amended) The process according to claim 1, wherein the precursor of the purine nucleotide is guanosine, the enzyme capable of synthesizing the purine nucleotide from said precursor is inosine-guanosine kinase ~~or phosphatase derived from Morganella morganii~~, and the purine nucleotide is 5'-guanylic acid.

4. (Currently Amended) The process according to claim 1, wherein the precursor of the purine nucleotide is inosine, the enzyme capable of synthesizing the purine nucleotide from said precursor is inosine-guanosine kinase ~~or phosphatase derived from *Morganella morganii*~~, and the purine nucleotide is 5'-inosinic acid.

5. (Currently Amended) The process according to claim 1 or 21, wherein the microorganism belongs to the genus selected from the group consisting of *Corynebacterium*, *Escherichia* and *Bacillus*.

6. (Original) The process according to claim 1, wherein the microorganism is *Corynebacterium ammoniagenes*.

7. (Currently Amended) The process according to claim 1 or 21, ~~which is characterized in that the enzyme capable of synthesizing the purine nucleotide wherein the expression of the enzyme is induced and expressed by the change of a condition selected from the group consisting of rise in temperature, rise in pH, and rise in osmotic pressure, or by the and change of the carbon source from sugars to non-sugars.~~

8. (Previously Amended) The process according to claim 20, wherein the non-sugar carbon source is acetic acid or acetate.

Claims 9-19 (Cancelled)

20. (Previously Added) The process according to claim 7, wherein expression of the enzyme is induced by change of carbon source from a sugar carbon source to a non-sugar carbon source.

21. (New) A process for producing 5'-guanylic acid which comprises:  
culturing in a medium a microorganism obtained by transforming a host cell having the ability to produce XMP with DNA which encodes XMP aminase and comprises an expression-inducible promoter, to accumulate XMP in the culture medium;  
inducing the expression of the enzyme capable of synthesizing 5'-guanylic acid from XMP by change of a condition of the culture medium so that the promoter can function to form 5'- guanylic acid from the accumulated XMP in said culture medium; and

recovering 5'-guanylic acid therefrom.